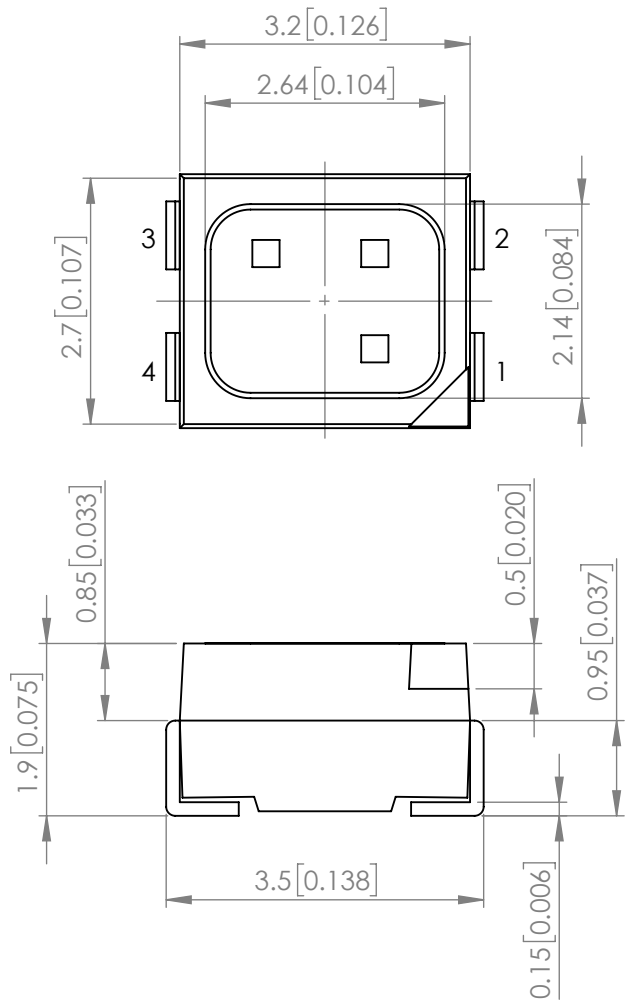
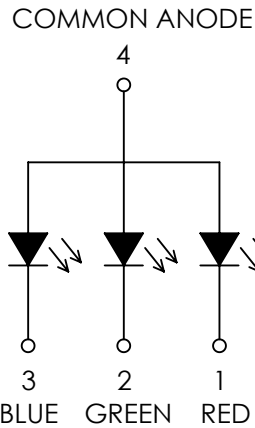


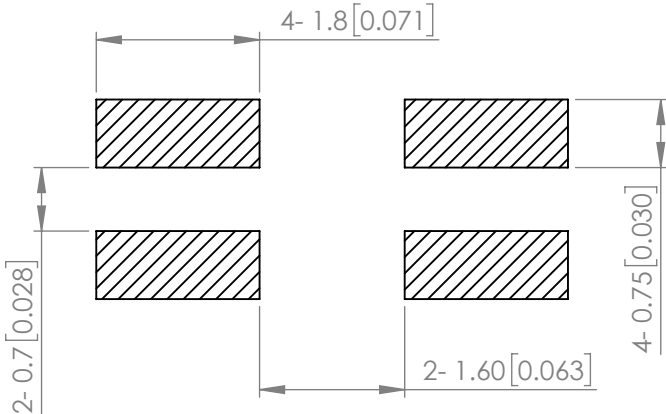
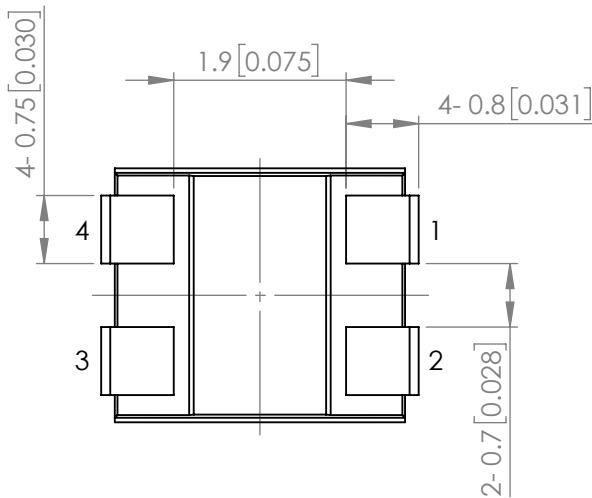
| PART NUMBER |                                     | SML-LX2835SISUGSBC | REV | E        |
|-------------|-------------------------------------|--------------------|-----|----------|
| REV         | E.C.N. NUMBER AND REVISION COMMENTS |                    |     | DATE     |
| A           | E.C.N. #11699.                      |                    |     | 03.01.11 |
| B           | E.C.N. #11707.                      |                    |     | 03.28.11 |
| C           | E.C.N. #11798.                      |                    |     | 01.18.12 |
| D           | E.C.N. #11906.                      |                    |     | 06.04.14 |
| E           | ECN-Lumex201700064                  |                    |     | 08.30.17 |



### POLARITY



### RECOMMENDED SOLDER PAD LAYOUT



### ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

| PARAMETER          |   | MIN                | TYP | MAX | UNITS       | TEST COND |
|--------------------|---|--------------------|-----|-----|-------------|-----------|
| PEAK WAVELENGTH    | R | -                  | 632 | -   | nm          | If=20mA   |
|                    | G | -                  | 575 | -   |             |           |
|                    | B | -                  | 428 | -   |             |           |
| FORWARD VOLTAGE    | R | -                  | 2.0 | 2.4 | Vf          | If=20mA   |
|                    | G | -                  | 2.0 | 2.4 |             |           |
|                    | B | -                  | 3.7 | 4.5 |             |           |
| REVERSE VOLTAGE    | R | -                  | -   | 5   | Vr          | Ir=10uA   |
|                    | G | -                  | -   | 5   |             | Ir=10uA   |
|                    | B | -                  | -   | 5   |             | Ir=50uA   |
| LUMINOUS INTENSITY | R | -                  | 85  | -   | mcd         | If=20mA   |
|                    | G | -                  | 41  | -   |             |           |
|                    | B | -                  | 25  | -   |             |           |
| VIEWING ANGLE      |   | -                  | 120 | -   | 2x theta1/2 | -         |
| EMITTED COLOR      |   | RED / GREEN / BLUE |     |     |             |           |
| EPOXY LENS FINISH  |   | WATER CLEAR        |     |     |             |           |

### ABSOLUTE MAXIMUM RATINGS TA=25°C

| PARAMETER                    | MAX              | UNITS |
|------------------------------|------------------|-------|
| PEAK FORWARD CURRENT(R/G/B)* | 60 / 60 / 70     | mA    |
| FORWARD CURRENT(R/G/B)       | 25 / 25 / 30     | mA    |
| POWER DISIPATION(R/G/B)      | 60 / 60 / 130    | mW    |
| STORAGE TEMPERATURE          | -40 TO +90       | °C    |
| OPERATING TEMPERATURE        | -40 TO +85       | °C    |
| SOLDERING TEMPERATURE        | 3 SEC. MAX. @260 | °C    |

\*t<10us

### NOTE:

1. RoHS COMPLIANT.

MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX= <sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>



425 N. GARY AVE.  
CAROL STREAM, IL 60188  
PHONE : 800-278-5666  
FAX : 630-315-2150  
WEB : WWW.LUMEX.COM

3.5(L)\*2.7(W)\*1.9(H)mm, SURFACE MOUNT TOP VIEW LED, AlGaInP RED / AlGaInP GREEN / GaN BLUE, WATER CLEAR LENS, TAPE & REEL.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DRAWN BY : C.C.

PAGE : 1 OF 2

CHKD BY : G.Y.

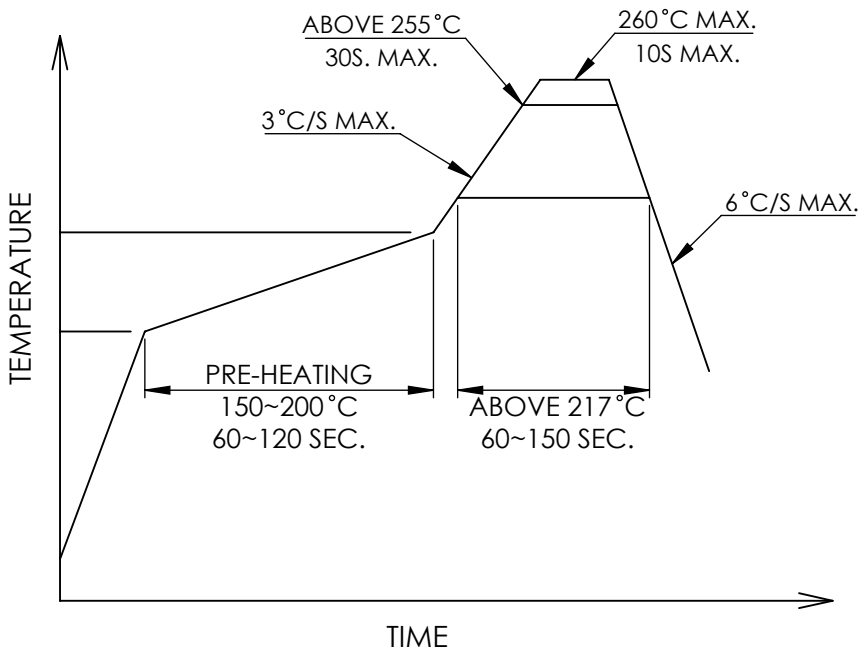
SCALE : NTF

APRVD BY : E.C.

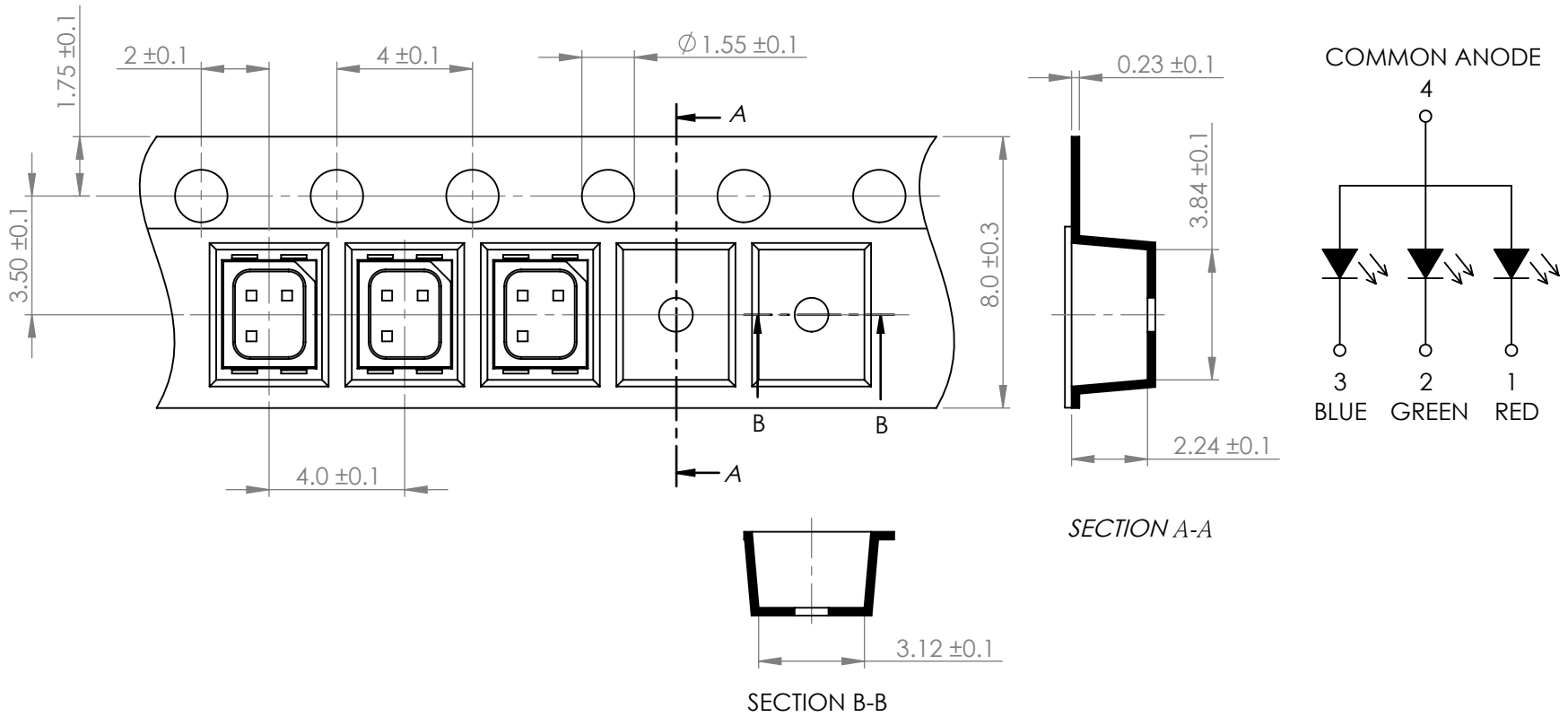
UNIT : mm [INCH]



PROFILE



CARRIER TAPE DIMENSION



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.= <sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>



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|-------------------|-----------------|
| DATE : 2017.08.25 | DRAWN BY : C.C. |
| PAGE : 2 OF 2     | CHKD BY : G.Y.  |
| SCALE : NTF       | APRVD BY : E.C. |
| UNIT : mm [INCH]  | Ⓢ               |

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